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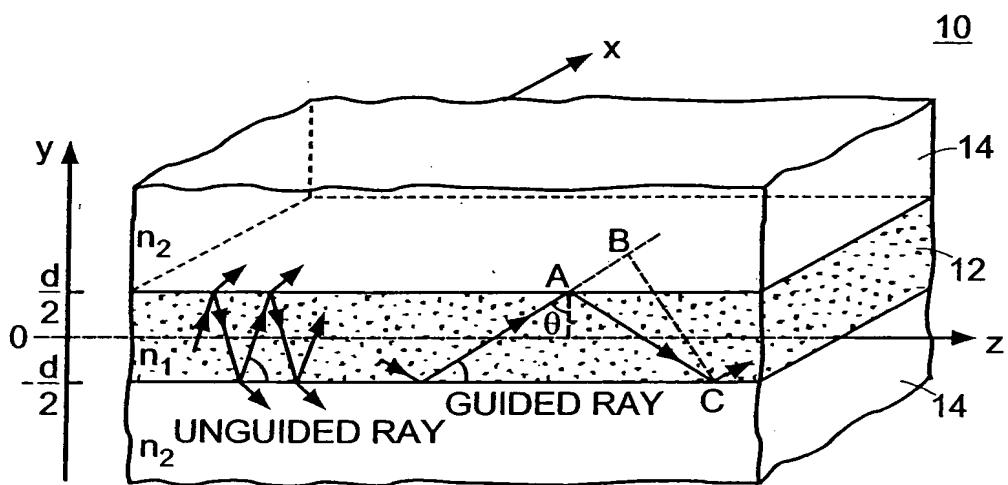


FIG.1

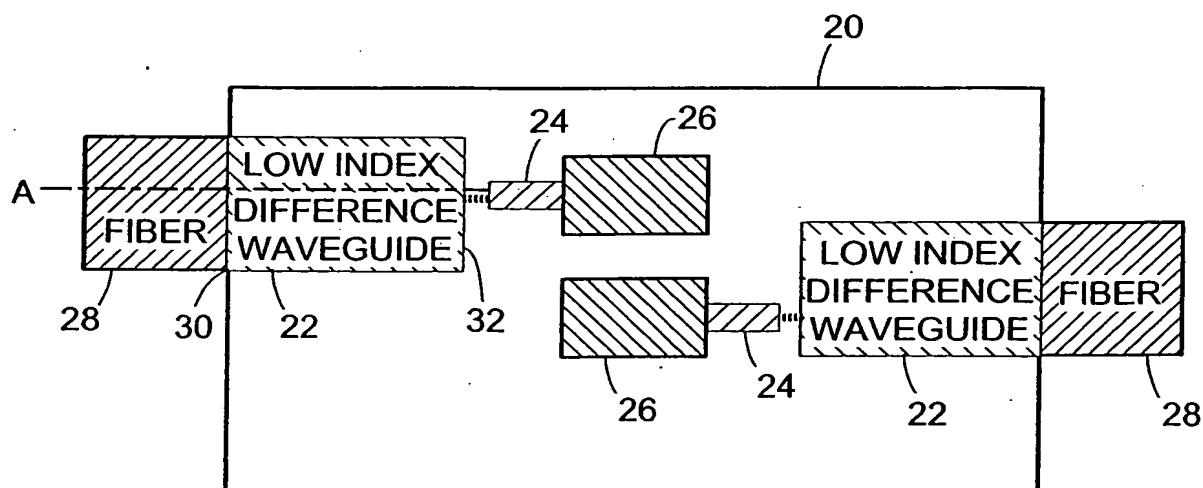


FIG. 2

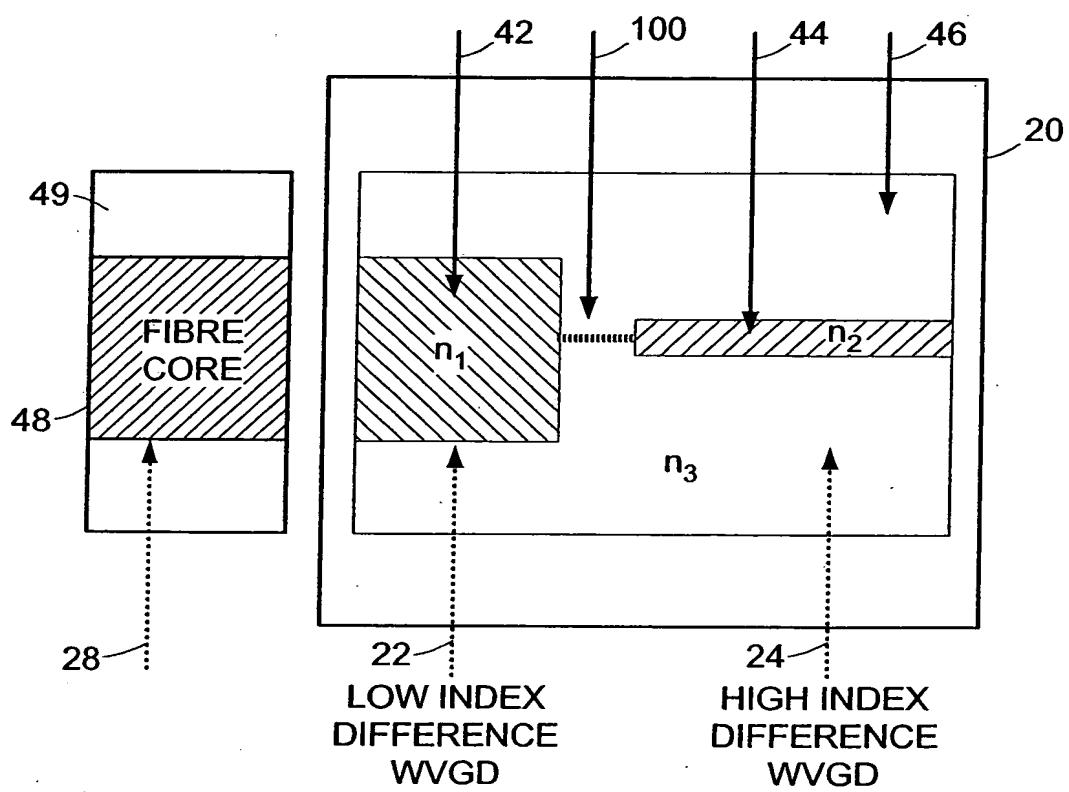


FIG. 3

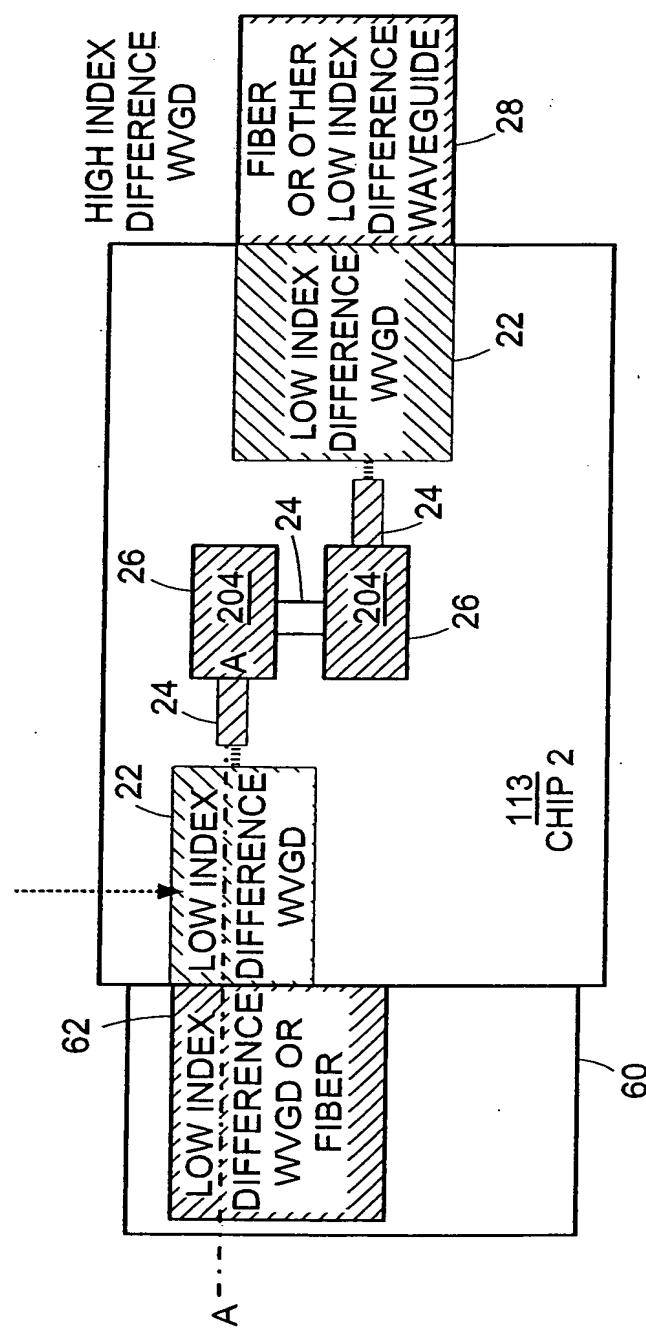


FIG. 4

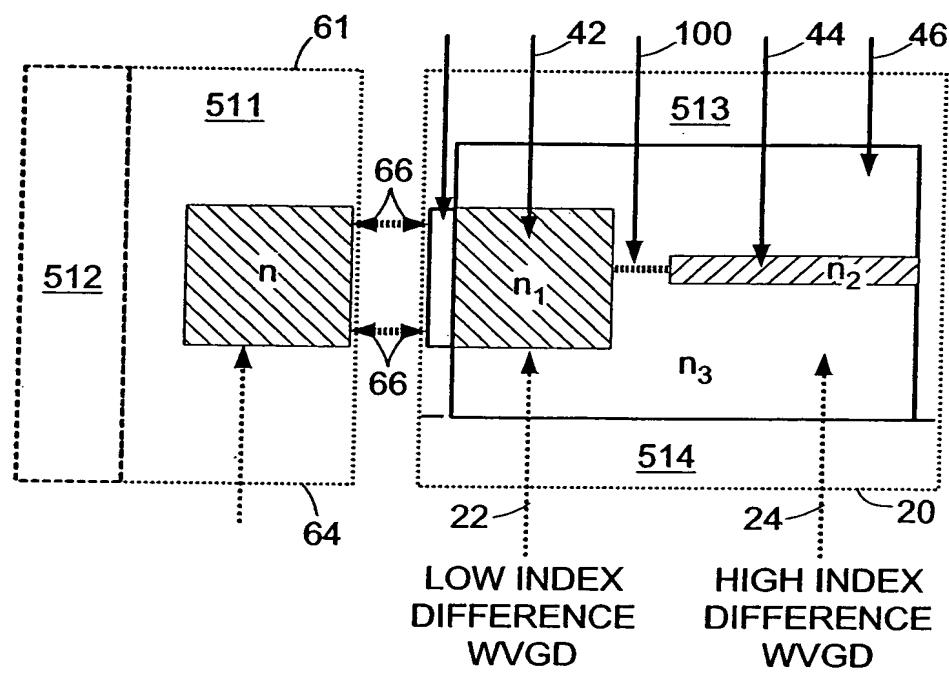


FIG. 5

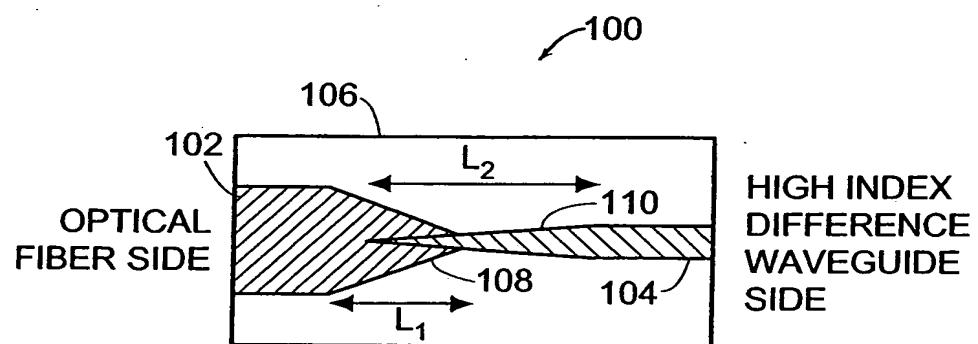


FIG. 6

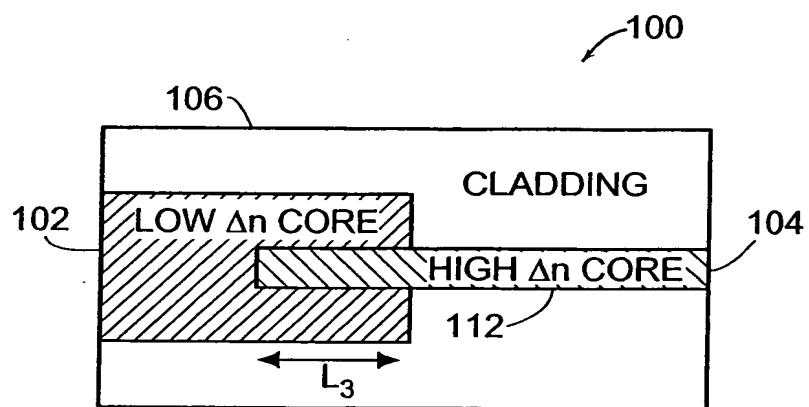


FIG. 7

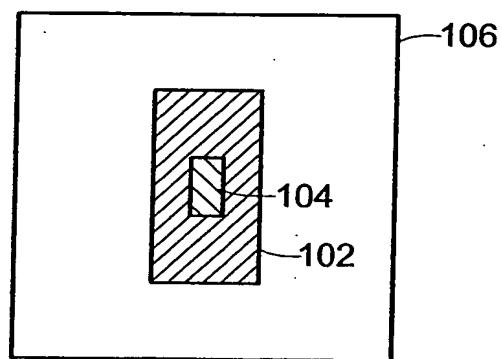


FIG. 8

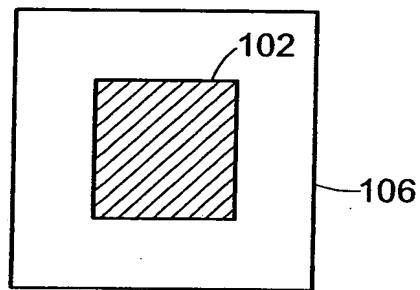


FIG. 9

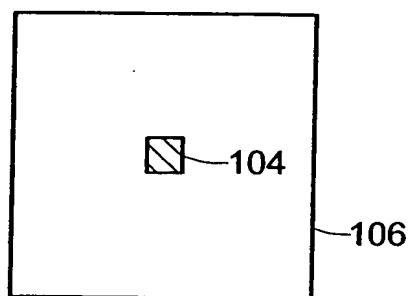


FIG. 10

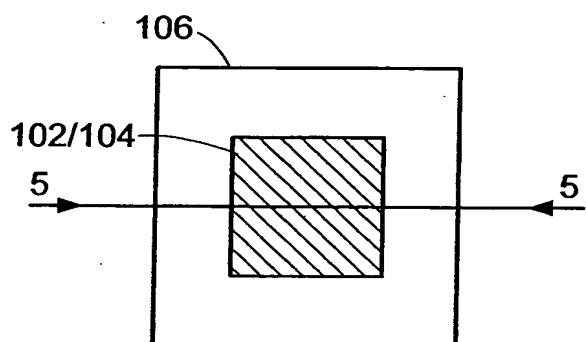


FIG. 11A

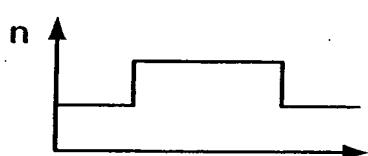


FIG. 11B

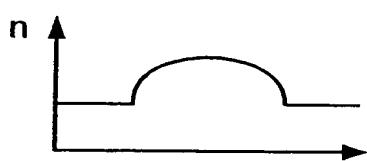


FIG. 11C

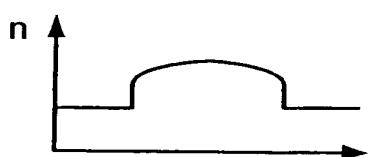


FIG. 11D

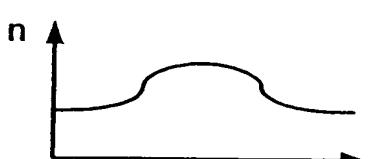


FIG. 11E



FIG. 11F

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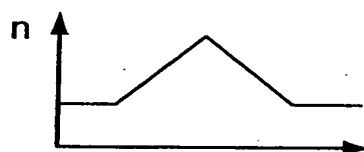


FIG. 11G

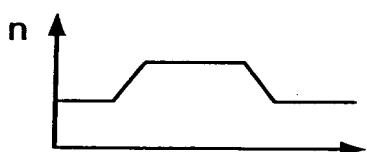


FIG. 11H

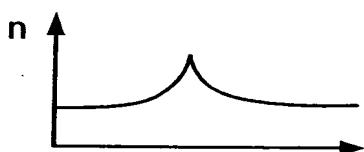


FIG. 11I

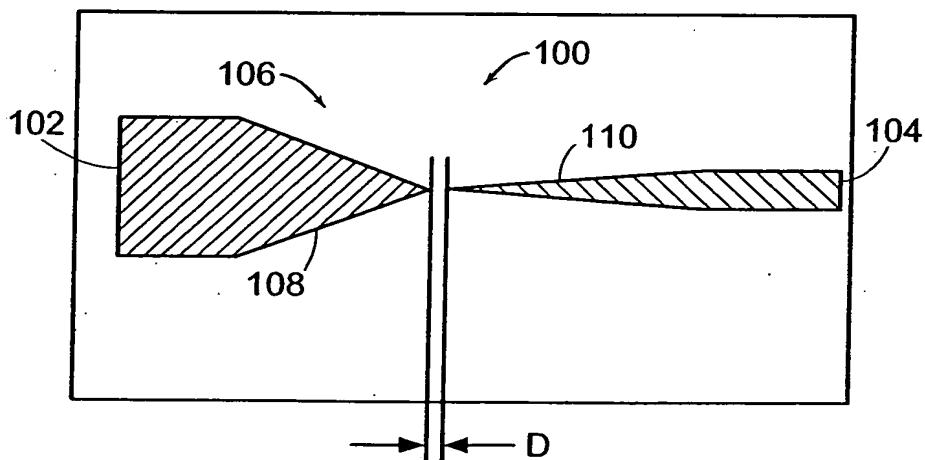


FIG. 12

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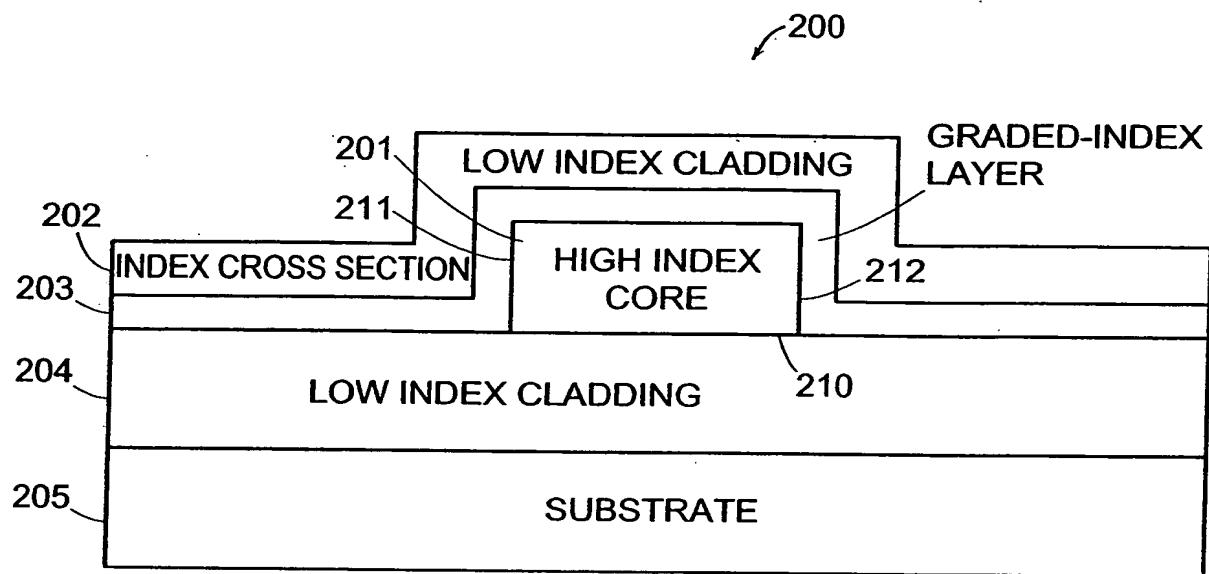


FIG. 13



FIG. 14

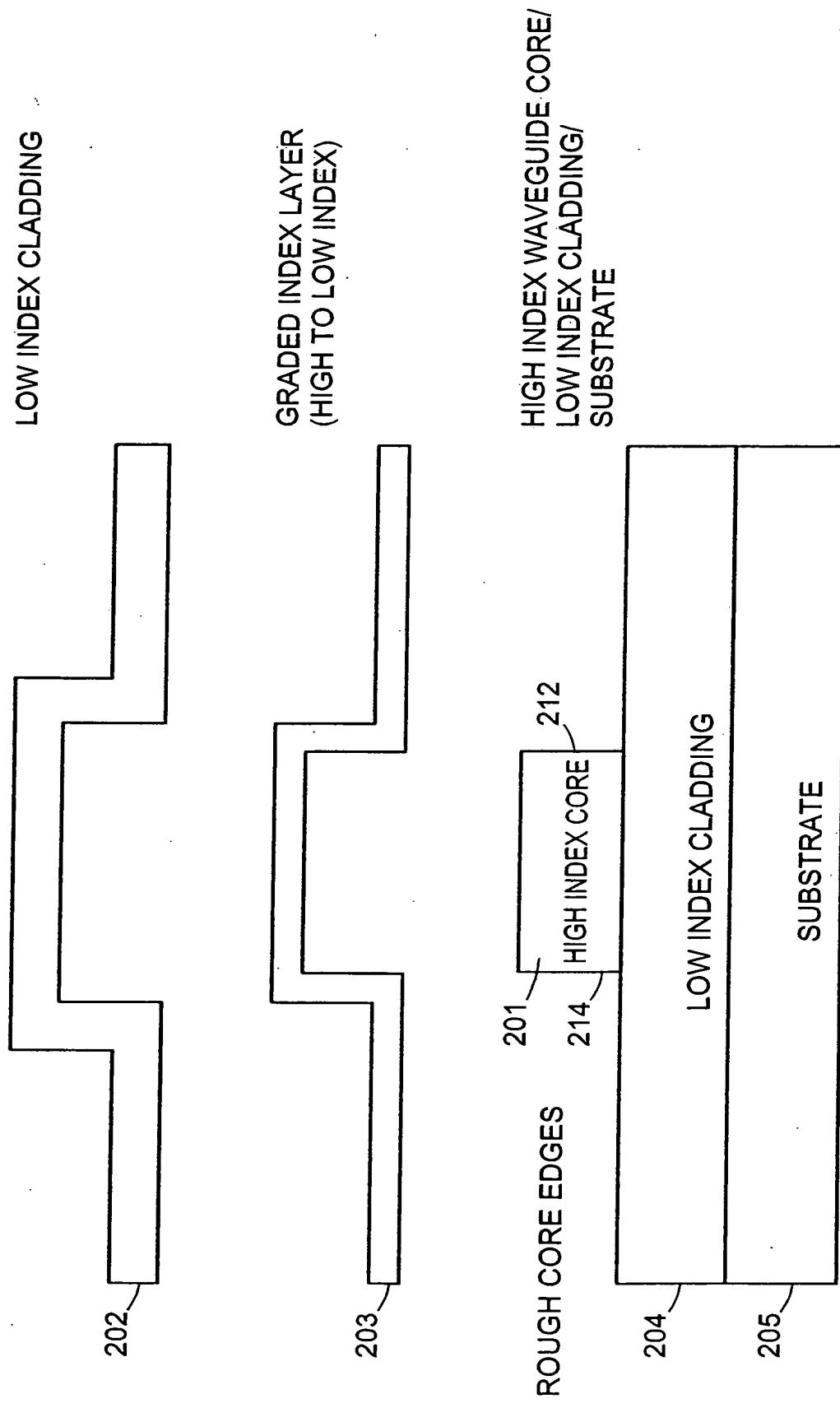


FIG. 15

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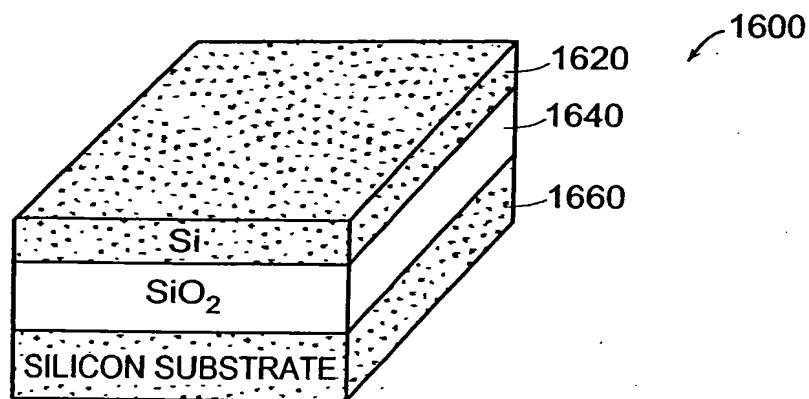
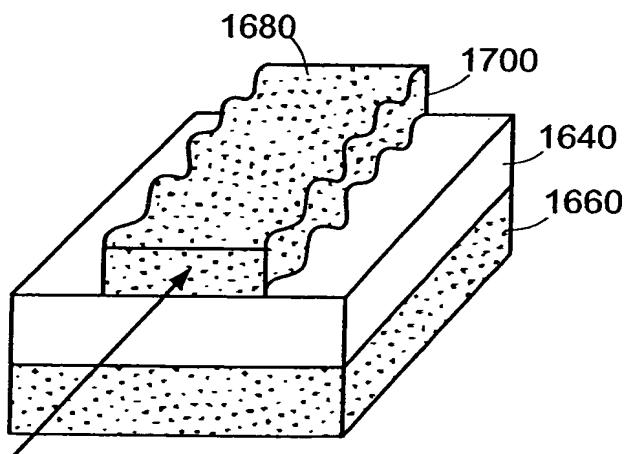


FIG. 16



LIGHT TRAVELS IN THE Si CORE

FIG. 17

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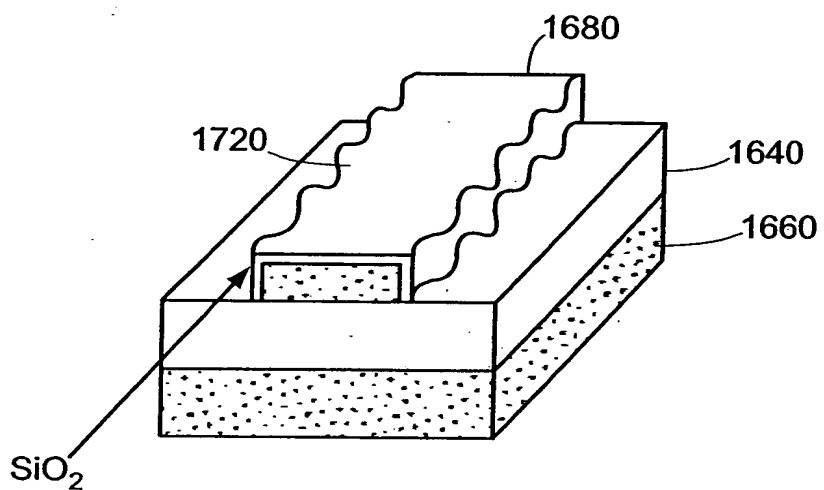


FIG. 18

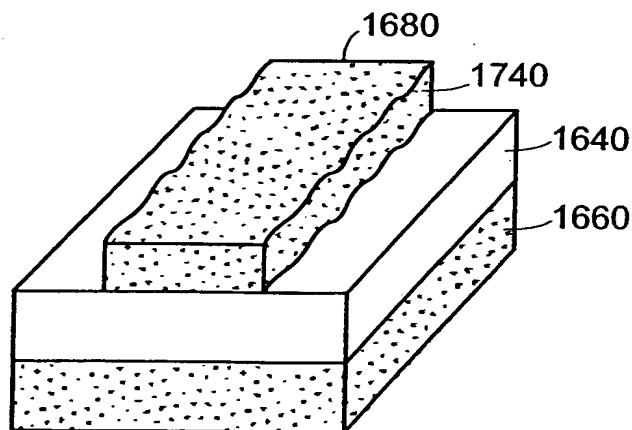


FIG. 19

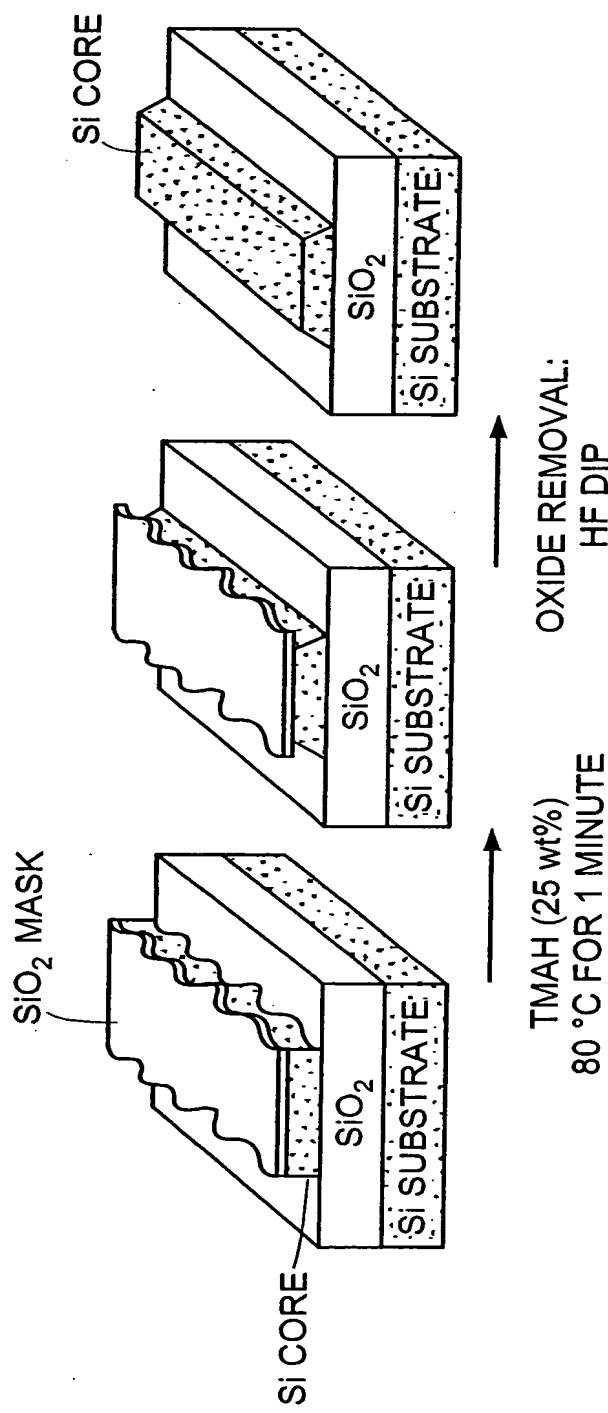


FIG. 20